TECHNICAL DATASHEET
Mortar Plasticiser

Description & Uses
Alpha Chem Mortar Plasticiser is designed to enhance the workability and freeze thaw resistance of brick and block laying mortars, reducing the likelihood of cracking and crazing. It may be used to replace or supplement the use of lime.

Benefits
- Mortar does not stiffen prematurely on the board but remains plastic.
- Mortar does not segregate or ‘bleed’.
- Mortar is less prone to drying out shrinkage.
- Increased adhesive strength.
- Up to 50% water reduction can be affected.
- Inexpensive to use: allows cement contents to be reduced (depending of present mix design).
- Increases rate of brick laying or rendering work.
- Increased durability: mortar unaffected by freeze/thaw conditions.
- Improves weather resistance.
- Mortar remains workable at temperatures down to -2°C.

Directions
Stir before use. Either premix with water, or add directly into the mix at the same time as water. N.B. The superior plasticising qualities will result in a significant reduction in water demand of any given mix. If preparing by hand, a vigorous mixing action should be used to ensure efficient production of ‘micro’ air entrainment properties. Test mixes should be made to determine the optimum dosage.
Add Mortar Plasticiser at the rate of 140 – 280 cc per 50kg cement. Test mixes should be made to determine the optimum dosage for the prevailing conditions.
As a general guide, comparative mixes are given below:-

<table>
<thead>
<tr>
<th>Cement: sand with Mortar Plasticiser</th>
<th>Cement: Lime: sand</th>
<th>Masonry-cement sand</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>1:½:3</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>1:½:4-4½</td>
<td>-</td>
</tr>
<tr>
<td>1:5-6</td>
<td>1:1:5-6</td>
<td>1:4½</td>
</tr>
<tr>
<td>1:7-9</td>
<td>1:2:8-9</td>
<td>1:6</td>
</tr>
<tr>
<td>1:8</td>
<td>1:3:10-12</td>
<td>1:7</td>
</tr>
</tbody>
</table>

Storage
Store upright in cool, dry conditions, ideally between +5°C & +40°C. Protect from frost.

Shelf Life
12 months minimum when stored in original, unopened packaging.

Limitations
- As the manufacturer cannot know all the uses its products may be put to, it is the user’s responsibility to determine suitability of use.
- Read the label prior to use for health and safety information, safety data sheet available on request.

Technical Data

<table>
<thead>
<tr>
<th>Colour</th>
<th>Fluorescent Pink Liquid</th>
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<tbody>
<tr>
<td>pH</td>
<td>5-9</td>
</tr>
</tbody>
</table>

Further Information:
In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com.
All products should be sold in accordance with the manufacturer’s instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products’ are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.